

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Attorney Docket Number	11075.204-US					
Sheet	1	of	15			

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number Number – Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 6,291,205	09/18/2001	Tuite	
		US 4,302,386	11/24/1981	Stevens	
		US 2003/221201	11/27/2003	Prior	
		US 5,773,245	06/30/1998	Wittrup	
		US 5,728,553	03/17/1998	Goodey	
		US 5,637,504	06/10/1997	Hinchliffe	
		US 6,451,559	09/17/2002	Schreier	
		US 2003/226155	12/04/2003	Sadeghi	
		US 2001/034045	10/25/2001	Penttila	
		US 2003/100112	05/29/2003	Motwani	
		US 2004/186070	09/23/2004	Penttila	
		US 2005/191726	09/01/2005	Motwani	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> – Number <sup>4</sup> – Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		WO 1989/07140	08/10/1989	Commonwealth Sci.		
		WO 2000/41477	07/20/2000	Biopolo S.C.		
		WO 2005/078105	08/25/2005	Medical Research		
		EP 0286424	10/12/1988	Delta Biotechnology		
		WO 00/44772	08/03/2000	Delta Biotechnology		
		EP 0746611	12/23/1993	Merck	equiv to WO 93/25676	
		EP 0293793	12/07/1988	Takeda		
		EP 0509841	10/21/1992	Tonen		
		EP 0258067	03/24/1993	Delta Biotechnology		
		EP 0431880	02/21/1996	Delta Biotechnology		
		EP 0060057	09/15/1982	Genentech		
		EP 0366400	05/02/1990	Tonen		
		WO 90/01063	02/08/1990	Delta Biotechnology		
		WO 03/066824	08/14/2003	Aventis Behring		
		WO 90/13653	11/15/1990	Delta Biotechnology		
		EP 0073646	05/17/1989	Genentech		
		WO 01/79271	10/25/2001	Principia/Delta Biotech		
		WO 01/79258	10/25/2001	Human Genome Sci		
		WO 01/79442	10/25/2001	Human Genome Sci		
		WO 01/79443	10/25/2001	Human Genome Sci		
		WO 01/79444	10/25/2001	Human Genome Sci		
		WO 01/79480	10/25/2001	Human Genome Sci		
		WO 95/33833	12/14/1995	Delta Biotechnology		
		WO 1994/04687	03/03/1994	Rhone-Poulenc		
		WO 1995/23857	09/08/1995	Delta Biotechnology		

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				Application Number	10/584,424
				Filing Date	April 10, 2007
				First Named Inventor	Sleep et al.
				Art Unit	1653
				Examiner Name	N. Vogel
				Attorney Docket Number	11075-204-US
Sheet	2	of	15		

[illegible]

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Kramer et al., J. Biochem., vol. 357, pgs. 83-95 (2001)	
		Laboissiere et al., J. Biol. Chem., vol. 270, pgs. 28006-28009 (1995)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	3	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Robinson and Wittrup, Biotechnol. Program, vol. 11, pgs. 171-177 (1995)	
		Farquhar et al., Gene, vol. 108, pgs. 81-89 (1991)	
		Robinson et al., Nature Biotechnol., vol. 12, pgs. 381-384 (1994)	
		Hayano et al., FEBS Letters, vol. 377, pgs. 505-511 (1995)	
		Bao & Fukuhara, Gene, vol. 272, pgs. 103-110 (2001)	
		Botstein et al., Gene, vol. 8, pgs. 17-24 (1979)	
		Rosenberg et al., Nature, vol. 312, pgs. 77-80 (1984)	
		Shusta et al., Nature Biotechnology, vo. 16, pgs. 773-777 (1998)	
		Parekh & Wittrup, Biotechnol. Prog., vol. 13, pgs. 117-122 (1997)	
		Bao et al., Yeast, vol. 16, pgs. 329-341 (2000)	
		Volkert et al., Microbiological Reviews, vol. 53, pgs. 299-317 (1989)	
		Painting et al., Journal of Applied Bacteriology, vol. 56, pgs. 331-335 (1984)	
		Futcher, Yeast, vol. 4, pgs. 27-40 (1988)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	4	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Volkert & Broach, Cell, vol. 46, pgs. 541-550 (1986)	
		Hartley and Donelson, Nature, vol. 286, pgs. 860-865 (1980)	
		Cameron et al., Nucleic Acid Research, vol. 4, no. 5, pgs. 1429-1448 (1977)	
		Kikuchi, Cell, vol. 35, pgs. 487-493 (1983)	
		Livingston & Hahne, Proc. Natl. Acad. Sci. USA, vol. 76, no. 8, pgs. 3727-3731 (1979)	
		Kerry-Williams et al., Yeast, vol. 14, pgs. 161-169 (1998)	
		Mead et al., Molecular & General Genetics, vol. 205, pgs. 417-421 (1986)	
		Futcher & Cox, J. Bacteriol., vol. 157, no. 1, pgs. 283-290 (1984)	
		Bachmair & Ruis, Monatshefte fur Chemie, vol. 115, pgs. 1229-1235 (1984)	
		Broach & Hicks, Cell, vol. 21, pgs. 501-508 (1980)	
		Sutton & Broach, Mol. Cell. Biol., vol. 5, no. 10, pgs. 2770-2780 (1985)	
		Senecoff et al., Proc. Natl. Sci. Acad. USA, vol. 82, pgs. 7270-7274 (1985)	
		Rose & Broach, Methods Enzymol., vol. 185, pg. 234-279 (1990)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/584,424
				Filing Date	April 10, 2007
				First Named Inventor	Sleep et al.
				Art Unit	1653
Examiner Name	N. Vogel				
Sheet	5	of	15	Attorney Docket Number	11075.204-US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Sengupta et al., J. Bacteriol., vol. 183, no. 7, pgs. 2306-2315 (2001)	
		Reynolds et al., Mol. Cell. Biol., vol. 7, no. 10, pgs. 3566-3573 (1987)	
		Jayaram, Proc. Natl. Sci. Acad. USA, vol. 82, pgs. 5875-5879 (1985)	
		Sleep et al., "Yeast 2 mum plasmid copy number is elevated by a mutation in the nuclear gene UBC4", Yeast, vol. 18, no. 5, pgs. 403-421 (2001)	
		Prasad et al., Proc. Natl. Sci. Acad. USA, vol. 84, pgs. 2189-2193 (1987)	
		Chen et al., Cell, vol. 69, pg. 647 (1992)	
		Grainge et al., J. Mol. Biol., vol. 314, pgs. 717-733 (2001)	
		Chinery & Hinchliffe, Curr. Genet., vol. 16, pgs. 21-25 (1989)	
		Sleep et al., Biotechnology, vol. 9, no. 2, pgs. 183-187 (1991)	
		Stanford Genome Database db.yeastgenome-org	
		Valkonen et al., Appl. Environ. Microbiol., vol. 69, pgs. 2065-2072 (2003)	
		Hochstrasser, Ann Rev. Genet., vol. 30, pgs. 405-439 (1996)	
		Hillson et al., Methods Enzymol., vol. 107, pgs. 281-294 (1984)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	6	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Freedman, Trends Biochem Sci., vol. 9, no. 10, pgs. 438-441 (1984)	
		Roth & Pierce, Biochemistry, vol. 26, no. 14, pgs. 4179-4182 (1987)	
		Solovyov et al., J Biol Chem., vol. 297, no. 33, pgs. 34095-34100 (2004)	
		Freedman et al., Biochem. Soc. Symp., vol. 55, pgs. 167-192 (1989)	
		Scherens et al., Yeast, vol. 7, pgs. 185-193 (1991)	
		Bulleid and Freedman, Nature, vol. 335, no. 13, pgs. 649-651 (1988)	
		Ozkaynak et al., Nature, vol. 312, pgs. 663-666 (1984)	
		Creighton et al., J. Mol. Biol., vol. 142, pgs. 43-62 (1980)	
		Freedman et al., Biochem Soc Transactions, vol. 16, pgs. 96-99 (1988)	
		Gilbert, Biochemistry, vol. 28, pgs. 7298-7305 (1989)	
		Lundstrom & Holmgren, J. Biol. Chem., vol. 265, no. 16, pgs. 9114-9120 (1990)	
		Hawkins and Freedman, J. Biochem., vol. 275, pgs. 335-339 (1990)	
		Rothman, Cell, vol. 59, pgs. 591-601 (1989)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.  
 Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	7	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Kaska et al., J Biochem, vol. 268, pgs. 63-68 (1990)	
		Edman et al., Nature, vol. 317, pgs. 267-270 (1985)	
		Yamauchi et al., Biochem Biophys Res. Com., vol. 146, pgs. 1485-1492 (1987)	
		Pihlajaniemi et al, EMBO J., vol. 6, no. 3, pgs. 643-649 (1987)	
		Parkkonen et al., J Biochem, vol. 256, pgs. 1005-1011 (1998)	
		Kim et al., Proc Natl Acad Sci USA, vol. 95, pgs. 12860-12865 (1998)	
		Glover and Lindquist, Cell, vol. 94, pgs. 73-82 (1998)	
		Ngosuwan et al., J Biol. Chem., vol. 278, no. 9, pgs. 7034-7042 (2003)	
		Seedorf & Silver, Proc. Natl. Acad. Sci. USA, vol. 94, pgs. 8590-8595 (1997)	
		Demolder et al., J. Biotechnol., vol. 32, pgs. 179-189 (1994)	
		Ryan and Went, Curr Op Cell Biol, vol. 12, pgs. 361-371 (2000)	
		Pemberton et al., Curr Op Biotechnol, vol. 10, pgs. 392-399 (1998)	
		Isoyama et al., J Biol Chem, vol. 276, no. 24, pgs. 21863-21869 (2001)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.  
 Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	8	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Ueta et al., J. Biol. Chem., vol. 275, no. 50, pgs. 50120-50127 (2003)	
		Mosammaparast et al., J. Biol. Chem. Vol. 277, no. 1, pgs. 862-868 (2002)	
		Chow et al., J. Cell. Sci, vol. 101, no. 3, pgs. 709-719 (1992)	
		Peters, All About Albumin Biochem. Gen. Med applns., Acad Press, pgs. 170-181 (1996)	
		Dockal et al., J. Biol Chem, vol. 274, pgs. 29303-29310 (1999)	
		Thompson et al., Nucleic Acid Res, vol. 22, no. 22, pgs. 4673-4680 (1994)	
		Broach et al., Cold Spring Harbor Symp Quant Biol., vol. 47, pgs. 1165-1174 (1982)	
		Khan et al., Int J Biol Macromol., vol. 30, pgs. 171-178 (2002)	
		Mason et al., Biochemistry, vol. 32, pgs. 5472-5479 (1993)	
		Mason et al., J. Biochem, vol. 330, pgs. 35-40 (1998)	
		Mason et al., Prot. Express Purif. Vol. 8, pgs. 119-125 (1996)	
		Hartl, Nature, vol. 381, pgs. 571-580 (1996)	
		Lambert et al., Proc Natl Sci Acad Sci USA, vol. 98, pgs. 4652-4657 (2001)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	9	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Mason et al., Prot. Express Purif. Vol. 2, pgs. 214-220 (1991)	
		Shin et al., Proc. Natl. Acad. Sci USA, vol. 92, pgs. 2820-2824 (1995)	
		Ali et al., J. Biol. Chem., vol. 274, pgs. 24066-24073 (1999)	
		Mason et al., Biochemistry, vol. 41, pgs. 9448-9454 (2002)	
		Irie et al., Gene, vol. 108, no. 1, pgs. 139-144 (1991)	
		Irie et al., Mol Gen Genet, vol. 225, no. 2, pgs. 257-265 (1991)	
		Smith et al., Science, vol. 229, pgs. 1219-1224 (1985)	
		Cohen et al., Proc. Natl. Acad. Sci USA, vol. 69, no. 8, pgs. 2110-2114 1972)	
		Beggs, Nature, vol. 275, pgs. 104-109 (1978)	
		Piper and Curran, Curr Genet., vol. 17, pgs. 119-123 (1990)	
		Southern, J. Mol Biol., vol. 98, pgs. 503-517 (1975)	
		Ito et al., J Bacteriol., vol. 153, no. 1, pgs. 163-168 (1983)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	10	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Elble, Biotechniques, vol. 13, pgs. 18-20 (1992)	
		Crouzet and Tuite, Mol Gen Genet., vol. 210, pgs. 581-583 (1987)	
		Gietz and Sugino, Gene, vol. 74, pgs. 527-534 (1988)	
		Sleep, Biotechnology, vol. 8, pgs. 42-46 (1990)	
		Finnis et al., Eur J Biochem, vol. 212, pgs. 201-210 (1993)	
		Robinson et al., J Biol Chem, vol. 271, pgs. 10017-10022 (1996)	
		Lund et al., J Biol Chem, vol. 260, pgs. 7609-7613 (1985)	
		Saccharomyces Genome Database <a href="http://www.yeastgenome.com">www.yeastgenome.com</a>	
		Toyn et al., Yeast, vol. 16, pgs. 553-560 (2000)	
		Hoheisel, Biotechniques, vol. 17, pgs. 456-460 (1994)	
		Ludwig & Bruschi, Plasmid, vol. 25, pgs. 81-95 (1991)	
		Ludwig et al., Gene, vol. 132, pgs. 33-40 (1993)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	11	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Martzen et al., Science, vol. 286, pgs. 1153-1155 (1999)	
		Tong et al., Science, vol. 303, pgs. 808-813 (2004)	
		Creasey et al., Mol Biol, vol. 47, no. 1, pgs. 209-221 (2003)	
		Cashmore et al., Mol Gen Genet, vol. 203, pgs. 154-159 (1988)	
		Zealey et al., Mol Gen Genet, vol. 211, pgs. 155-159 (1988)	
		pYEX4T-1 Vector Info ClonTech Cat #6169-1 (1998)	
		BD pBridge three-Hybrid Vector Clontech Cat XP002325598 (2003)	
		Meyer-Leon et al., Cold Spring Harbor Symposia on Quantitative Biology, vol. 49, pg. 797 (1984)	
		Toh-e et al., Basic Life Science, vol. 40, pg. 425 (1986)	
		Williamson, Yeast, vol. 1, pgs. 1-14 (1985)	
		Berent et al., Biotechniques, vol. 3, pg. 208 (1985)	
		Becker and Craig, Eur J Biochem., vol. 219, pgs. 11-23 (1994)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	12	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Becker and Guarente, Methods Enzymol., vol. 194, pgs. 182-187 (1990)	
		Lee, Biotechniques, vol. 12, pg. 677 (1992)	
		Testa, Proteins of Iron Metabolism (2002)	
		Ozkaynak et al., EMBO J, vol. 6, pgs. 1429-1439 (1987)	
		Harris and Aisen, Iron Carrier and Iron Proteins, vol. 5 (1991)	
		Bao & Fukuhara, Yeast, vol. 16, pgs. 343-351 (2000)	
		Ho et al., Nature, vol. 415, pgs. 180-183 (2002)	
		Hohenblu, J Biotechnol, vol. 102, pgs. 281-290 (2003)	
		Huh et al., Nature, vol. 425, pgs. 686-691 (2003)	
		Inan et al., Biotechnol Bioeng, vol. 93, pgs. 771-778 (2006)	
		Kauffman et al., Biotechnol Prog., vol. 18, pgs. 942-950 (2002)	
		Kim et al., J Biotechnol, vol. 101, pgs. 81-87 (2003)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	13	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Lodi et al., Appl Env Microbiol, vol. 71, pgs. 4359-4363 (2005)	
		Mattanovich et al., J Biotechnol, vol. 113, pgs. 121-135 (2004)	
		Moralejo et al., Mol Gen Genet, vol. 266, pgs. 246-253 (2001)	
		Norgaard et al., J Cell Biol, vol. 152, pgs. 553-562 (2001)	
		Norgaard et al., Yeast, vol. 20, pgs. 645-652 (2003)	
		Nutt et al., J Biol Chem, vol. 262, pgs. 10162-10167 (1988)	
		Sambrook et al., Molecular Cloning: A Laboratory Manual, 3 <sup>rd</sup> Ed. (2001)	
		Fischer & Schmid, Biochemistry, vol. 29, pgs. 2205-2212 (1990)	
		Freedman, Cell, vol. 57, pgs. 1069-1072 (1989)	
		Freedman, Nature, vol. 329, pgs. 196-197 (1987)	
		Geetha-Habib et al., Cell, vol. 54, pgs. 1053-1060 (1988)	
		Lewis & Pelham, Nature, vol. 348, pgs. 162-163 (1990)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Sheet	14	of	15	Attorney Docket Number	11075.204-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Semenza et al., Cell, vol. 61, pgs. 1349-1357 (1990)	
		Schein, Nature Biotechnol., vol. 7, pgs. 1141-1149 (1989)	
		Pelham, Trends Biotechnol., vol. 15, pgs. 483-486 (1990)	
		Vaux et al., Nature, vol. 345, pgs. 495-502 (1990)	
		Frand & Kaiser, Mol Cell, vol. 1, pgs. 161-170 (1998)	
		Guenther et al., J Bio Chem, vol. 268, no. 11, pgs. 7728-7732 (1993)	
		Profold Vector Tech	
		Kunkel et al., Methods Enzymol, vol. 154, pgs. 367-382 (1987)	
		Weeke B, Rocket Immunoelectrophoresis, Scan J Immunology, vol. 2, no. 1 (1976)	
		Hollenberg, Curr Top Microbiol Immunobiol, vol. 96, pgs. 114-119 (1982)	
		Database NCBI – Accession No. X02398 Zygosaccharomyces rouxii plasmid pSR1 (10/23/2008)	
		Database NCBI – Accession No. X02608 Zygosaccharomyces bisporus plasmid pSB3 (10/23/2008)	
		Database NCBI – Accession No. M18274 Yeast (Z.bailii) plasmid pSB2, complete genome (04/27/1993)	
		Database NCBI- Accession No. X03961 Kluyveromyces drosophilum circular plasmid pKD1 (B form) (10/23/2008)	

Examiner Signature	/Nancy Vogel/	Date Considered	10/26/10
--------------------	---------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/584,424	
				Filing Date	April 10, 2007	
				First Named Inventor	Sleep et al.	
				Art Unit	1653	
Examiner Name	N. Vogel					
Attorney Docket Number	11075.204-US					
Sheet	15	of	15			

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Database NCBI – Accession No. NC002055 <i>Nosema ceranae</i> BRL01 Nc002055, whole genome shotgun sequence (06/09/2009)	
		Database NCBI – Accession No. NC002054 <i>Nosema ceranae</i> BRL01 Nc002054, whole genome shotgun sequence (06/09/2009)	
		Database NCBI – Accession No. NC001398 <i>Nosema ceranae</i> BRL01 Nc001398, whole genome shotgun sequence (12/08/2008)	
		Database NCBI – Accession No. J01347 <i>Saccharomyces cerevisiae</i> 2 micron circle plasmid, complete sequence (10/18/2007)	
		Database NCBI – Accession No. CAA38402 protein disulphide isomerase [ <i>Saccharomyces cerevisiae</i> ] (04/18/2005)	
		Database NCBI – Accession No. CAA42373 protein disulfide-isomerase precursor [ <i>Saccharomyces cerevisiae</i> ] (10/23/2008)	
		Database NCBI – Accession No. BAA00723 protein disulfide isomerase [ <i>Saccharomyces cerevisiae</i> ] (06/07/2009)	
		Database Swissprot – Accession No. P14639 Serum albumin precursor - <i>Ovis aries</i> (Sheep) (05/05/2009)	
		Database Swissprot – Accession No. P02769 [ALBU_BOVIN] Serum albumin (06/16/2009)	
		Database Swissprot – Accession No. P08835 Serum albumin precursor - <i>Sus scrofa</i> (Pig) (05/05/2009)	
		Database Swissprot – Accession No. P49822 Serum albumin precursor - <i>Canis familiaris</i> (Dog) (06/16/2009)	
		Database NCBI – Accession No. NC001135 <i>Nosema ceranae</i> BRL01 Nc001135, whole genome shotgun sequence (06/09/2009)	
		Database Swissprot – Accession No. O73860 [OVAL_MELGA] Ovalbumin (06/16/2009)	
		Database Swissprot – Accession No. P49064 Serum albumin precursor - <i>Felis silvestris catus</i> (Cat) (05/05/2009)	
		Database Swissprot – Accession No. P19121 Serum albumin precursor - <i>Gallus gallus</i> (Chicken) (06/16/2009)	
		Database Swissprot – Accession No. P01012 Ovalbumin - <i>Gallus gallus</i> (Chicken) (06/16/2009)	
		Database Swissprot – Accession No. P39090 Alpha-1B-glycoprotein - <i>Equus asinus</i> (Donkey) (06/16/2009)	
		Database Swissprot – Accession No. P35747 Serum albumin precursor - <i>Equus caballus</i> (Horse) (06/16/2009)	
		Database Swissprot – Accession No. Q28522 Serum albumin precursor - <i>Macaca mulatta</i> (Rhesus macaque) (05/05/2009)	
		Database Swissprot – Accession No. O89020 Afamin precursor - <i>Mus musculus</i> (Mouse) (06/16/2009)	
		Database Swissprot – Accession No. P36953 Afamin precursor - <i>Rattus norvegicus</i> (Rat) (06/16/2009)	
		Database Swissprot – Accession No. P49065 Serum albumin precursor - <i>Oryctolagus cuniculus</i> (Rabbit) (05/05/2009)	
Examiner Signature	/Nancy Vogel/		Date Considered
			10/26/10

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.V./